

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

**Algebra II GHP**

**Practice 6-2B: Solving Equations by Factoring (2) E.P.**

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**Solve each of the following quadratic equations by factoring.**

1.  $x^2 + 6x - 72 = 0$

2.  $h^2 + 10h = -21$

3.  $6n^2 - 22n + 20 = 0$

4.  $8x^2 - 20x = 48$

5.  $x^3 + 5x^2 + 6x = 0$

6.  $2x^2 - 42x = -216$

7.  $6x^2 - 11x - 7 = 0$

8.  $9x^2 - 12x + 4 = 0$

9.  $4u^2 - 49 = 0$

10.  $y^2 - 2y - 3 = -4$

11.  $x^3 - 9x = 0$

12.  $2y^3 + 20y^2 = -50y$

13.  $x^3 + 5x^2 - 4x - 20 = 0$

14.  $6x^5 - 15x^3 - 38x = -2x$

15.  $81x^4 - 72x^2 + 15 = -1$

16.  $15x^4 - 34x^2 + 15 = 0$